Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A method of creating a fault-inducing transaction representation in a network, the method comprising:

interjecting a pattern with fault-inducing sub-fields, where the pattern is an expression including a literal string and a wildcard character class, wherein interjecting the pattern comprises at least one of the following: providing alternative character encoding for a character in the expression, providing a double delimiter in the expression, providing all delimiters in the expression, providing no values in the expression, providing a single character and delimiter-value pair in the expression, providing an unbalanced pair in the expression, replacing a delimiter with random ranges that cover the value of the delimiter, providing an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, providing a prefixed escape in the expression, providing ghost character encoding in the expression, controlling a user identity which is a field indicating resource name or user identity, injecting unfiltered metacharacters to a secondary process, providing extraneous meta-characters for causing misclassification, or parsing out a delimiter to obtain an intermediate representation of the expression, where a

value in the expression is replaced by a buffer function; and

using the expression to form a subsequent expression that can be used by a target system to detect and trigger on the network at least one transaction that matches the expression.

Claim 2 (previously presented): An article of manufacture, comprising:

a computer-readable medium having stored thereon instructions to:

interject a pattern with fault-inducing sub-fields, where the pattern is an expression including a literal string and a wildcard character class, wherein interjecting the pattern comprises at least one of the following: providing alternative character encoding for a character in the expression, providing a double delimiter in the expression, providing all delimiters in the expression, providing no values in the expression, providing a single character and delimiter-value pair in the expression, providing an unbalanced pair in the expression, replacing a delimiter with random ranges that cover the value of the delimiter, providing an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, providing a prefixed escape in the expression, providing ghost character encoding in the expression, controlling a user identity which is a field indicating resource name or user identity, injecting unfiltered metacharacters to a secondary process, providing extraneous meta-characters for causing

misclassification, or parsing out a delimiter to obtain an intermediate representation of the expression, where a value in the expression is replaced by a buffer function; and

use the expression to form a subsequent expression that can be used by a target system to detect and trigger on the network at least one transaction that matches the expression.

Claim 3 (previously presented): An apparatus for creating a fault-inducing transaction representation in a network, the apparatus comprising:

means for interjecting a pattern with fault-inducing sub-fields, where the pattern is an expression including a literal string and a wildcard character class, wherein interjecting the pattern comprises at least one of the following: providing alternative character encoding for a character in the expression, providing a double delimiter in the expression, providing all delimiters in the expression, providing no values in the expression, providing a single character and delimiter-value pair in the expression, providing an unbalanced pair in the expression, replacing a delimiter with random ranges that cover the value of the delimiter, providing an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, providing a prefixed escape in the expression, providing ghost character encoding in the expression, controlling a user identity which is a field indicating resource name or user identity, injecting unfiltered metacharacters to a

secondary process, providing extraneous meta-characters for causing misclassification, or parsing out a delimiter to obtain an intermediate representation of the expression, where a value in the expression is replaced by a buffer function; and

coupled to the interjecting means, means for using the expression to form a subsequent expression that can be used by a target system to detect and trigger on the network at least one transaction that matches the expression.

Claim 4 (previously presented): A method of testing a target in a network by fault injection, the method comprising:

defining a transaction baseline;

modifying at least one of an order and a structure of the transaction baseline to obtain a modified transaction with malformed grammar, wherein the modifying step comprises at least one of the following: providing alternative character encoding for a character in the transaction baseline, creating a double delimiter in the transaction baseline, providing all delimiters in the transaction baseline, providing no values in the transaction baseline, providing a single character and delimiter-value pair at a repeated large buffer in the transaction baseline, providing an unbalanced pair in the transaction baseline, replacing a delimiter with random ranges that cover the value of the delimiter, providing an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, providing a prefixed escape in the

transaction baseline, providing ghost character encoding in the transaction baseline, controlling the user identity which is a field indicating resource name or user identity, injecting unfiltered metacharacters to a secondary process, providing extraneous meta-characters for causing misclassification, or parsing out a delimiter to obtain an intermediate representation of the transaction baseline, where a value in the transaction baseline is replaced by a buffer function; and

transmitting the modified transaction to a target.

Claim 5 (Original): The method of claim 4, further comprising:

after transmitting the modified transaction, receiving a feedback from the target to determine fault occurrence.

Claim 6 (previously cancelled)

Claim 7 (Original): The method of claim 4 wherein the modifying step comprises:

removing a field from the transaction.

Claim 8 (Original): The method of claim 4 wherein the modifying step comprises:

duplicating a field in the transaction.

Claims 9-16 (previously cancelled)

Claim 17 (Original): The method of claim 4 wherein the modifying step comprises:

using value injection to alter an input field in the transaction.

Claim 18 (previously cancelled)

Claim 19 (Original): The method of claim 4 wherein the modifying step comprises:

determining a value injection based on numerical ranges of the input field content.

Claims 20-23 (previously cancelled)

Claim 24 (previously presented): A method of testing a target on a network by fault injection, the method comprising:

defining a transaction baseline; and

modifying an input field in the transaction baseline to obtain a modified transaction with malformed value, wherein modifying the input field comprises at least one of the following: providing alternative character encoding for a character in the transaction baseline, creating a double delimiter in the transaction baseline, providing all delimiters in the transaction baseline, providing no values in the transaction baseline, providing a single character and delimiter-value pair at a repeated large buffer in the transaction baseline, providing an unbalanced pair in the transaction baseline, replacing a delimiter with random ranges that cover the value of the delimiter, providing an alternative encoding to encode a transaction field with a character that is equal in nature and different in

representation, providing a prefixed escape in the transaction baseline, providing ghost character encoding in the transaction baseline, controlling the user identity which is a field indicating resource name or user identity, injecting unfiltered metacharacters to a secondary process, providing extraneous meta-characters for causing misclassification, or parsing out a delimiter to obtain an intermediate representation of the transaction baseline, where a value in the transaction baseline is replaced by a buffer function.

Claim 25 (previously presented): The method of claim 24, further comprising:

after transmitting the modified transaction, receiving a feedback from a target to determine fault occurrence.

Claim 26 (previously cancelled)

Claim 27 (previously presented): A method of testing a target in a network by fault injection, the method comprising:

defining a transaction baseline; and

modifying the transaction baseline to obtain a modified transaction, wherein the modified transaction comprises at least one of: an alternative character encoding for a character in the transaction baseline, a double delimiter in the transaction baseline, all delimiters in the transaction baseline, fields with no values in the transaction baseline, a single character and delimiter-value pair at a repeated large buffer in the

transaction baseline, an unbalanced pair in the transaction baseline, random ranges that cover a value of a delimiter, an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, a prefixed escape in the transaction baseline, ghost character encoding in the transaction baseline, a user identity which is a field indicating resource name or user identity, unfiltered metacharacters injected to a secondary process, extraneous meta-characters for causing misclassification, or a delimiter that is parsed to obtain an intermediate representation of the transaction baseline, where a value in the transaction baseline is replaced by a buffer function.

Claim 28 (previously presented): An apparatus for testing a target in a network by fault injection, the apparatus comprising:

a driver configured to generate patterns, where a pattern can generate a plurality of packets for transmission to the target, the pattern being represented by an expression with a literal string and a wild character class, wherein the driver modifies the expression by performing at least one of the following: providing alternative character encoding for a character in the expression, providing a double delimiter in the expression, providing all delimiters in the expression, providing no values in the expression, providing a single character and delimiter-value pair in the expression, providing an unbalanced pair in the expression, replacing a delimiter with random ranges that cover the value of the delimiter,

providing an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, providing a prefixed escape in the expression, providing ghost character encoding in the expression, controlling a user identity which is a field indicating resource name or user identity, injecting unfiltered metacharacters to a secondary process, providing extraneous meta-characters for causing misclassification, or parsing out a delimiter to obtain an intermediate representation of the expression, where a value in the expression is replaced by a buffer function; and

a network interface coupled to the driver and configured to transmit and receive network traffic.

Claim 29 (Previously presented): An apparatus for testing a target on a network by fault injection, the apparatus comprising:

means for defining a transaction baseline; and
means for modifying an input field in the transaction
baseline to obtain a modified transaction with malformed
value, wherein modifying the input field comprises at least
one of the following: providing alternative character
encoding for a character in the transaction baseline,
creating a double delimiter in the transaction baseline,
providing all delimiters in the transaction baseline,
providing no values in the transaction baseline, providing
a single character and delimiter-value pair at a repeated
large buffer in the transaction baseline, providing an
unbalanced pair in the transaction baseline, replacing a
delimiter with random ranges that cover the value of the

delimiter, providing an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, providing a prefixed escape in the transaction baseline, providing ghost character encoding in the transaction baseline, controlling the user identity which is a field indicating resource name or user identity, injecting unfiltered metacharacters to a secondary process, providing extraneous meta-characters for causing misclassification, or parsing out a delimiter to obtain an intermediate representation of the transaction baseline, where a value in the transaction baseline is replaced by a buffer function.

Claim 30 (Previously presented): The method of claim 24, further comprising:

transmitting the modified transaction to a target.

Claim 31 (Previously presented): The method of claim 24, further comprising:

removing a field from the transaction baseline.

Claim 32 (Previously presented): The method of claim 24, further comprising:

duplicating a field in the transaction baseline.

Claim 33 (Previously presented): The method of claim 24, further comprising:

using value injection to alter an input field in the transaction baseline.

Claim 34 (Previously presented): The method of claim 24, further comprising:

determining a value injection based on numerical ranges of content in an input field.

Claim 35 (Previously presented): The apparatus of claim 28, wherein the driver modifies the expression by removing a field from the transaction baseline.

Claim 36 (Previously presented): The apparatus of claim 28, wherein the driver modifies the expression by duplicating a field in the transaction baseline.

Claim 37 (Previously presented): The apparatus of claim 28, wherein the driver modifies the expression by using value injection to alter an input field in the transaction baseline.

Claim 38 (Previously presented): The apparatus of claim 28, wherein the driver modifies the expression by determining a value injection based on numerical ranges of content in an input field.

Claim 39 (Previously presented): A method of testing a target in a network by fault injection, the method comprising:

defining a transaction baseline; and modifying the transaction baseline to obtain a modified transaction, wherein the modified transaction comprises a content that is selected from the group

consisting of: an alternative character encoding for a character in the transaction baseline, a double delimiter in the transaction baseline, all delimiters in the transaction baseline, fields with no values in the transaction baseline, a single character and delimitervalue pair at a repeated large buffer in the transaction baseline, an unbalanced pair in the transaction baseline, random ranges that cover a value of a delimiter, an alternative encoding to encode a transaction field with a character that is equal in nature and different in representation, a prefixed escape in the transaction baseline, ghost character encoding in the transaction baseline, a user identity which is a field indicating resource name or user identity, unfiltered metacharacters injected to a secondary process, extraneous meta-characters for causing misclassification, or a delimiter that is parsed to obtain an intermediate representation of the transaction baseline, where a value in the transaction baseline is replaced by a buffer function.

Claim 40 (Previously presented): The method of claim 39, further comprising:

transmitting the modified transaction to a target.

Claim 41 (Previously presented): The method of claim 39, wherein the content further comprises a field with content from the transaction baseline.

Claim 42 (Previously presented): The method of claim 39, wherein the content further comprises a duplicated content in the transaction baseline.

Claim 43 (Previously presented): The method of claim 39, further comprising:

using value injection to alter an input field in the transaction baseline.

Claim 44 (Previously presented): The method of claim 39, further comprising:

determining a value injection based on numerical ranges of content in an input field.

Claims 45-46 (Cancelled)